

~~SECRET~~ ~~TOP SECRET~~  
Smalltalk, Reasons for

~~XX~~ TO FILE

Probs with  
FLOW OF  
CONTROL

Software J. interfaces and  
or systems, specific programs, lg level

~~SW~~ 20/80 3  
(Start: 21.5)

ONE  
LEVEL  
ONLY

2 SIMULA  
SKETCHPAD, INSIGHT  
Objects of a class  
come and go;  
their like behavior  
continues

EXTENSIVE  
LANGUAGE  
IDEAL  
We want  
for computer  
language  
to start  
we will  
have  
explicit  
to work  
our specific  
behavior of  
problem within

DEMO PROBLEM  
~~DEMO~~  
How can we  
decide  
objects  
explicitly?

PARALLEL  
HARDWARE  
PROBLEM  
It is easier  
to make  
computers with  
multiple CPUs.  
How to  
work  
organize them  
software?

MAKE EXPLICIT  
CLASSES OF OBJECTS  
RESPONDING  
OBJECTS.

CLASS  
PROGRAMMING  
PROBLEM

THE  
PROBLEM  
IS TO  
DEFINE  
BEHAVIOR  
FOR  
MEMBERS  
OF A CLASS

INTER-  
COMMUNICATION  
PROBLEM  
How can  
objects  
send  
messages  
one to  
another?

MAKE  
MODULES  
SELF-  
DEFENDING!

How that  
TABLES?  
quite elegant,  
inflexible as to  
number.  
Phooey.

MESSAGE SYSTEM  
Objects communicate  
via ~~an~~  
explicit messages.

List of  
types of input  
(passing feedback)  
→ really  
output messages  
and other  
variable changes.

LOCAL VARIABLES  
TO EACH  
OBJECT;  
Class variables  
accessable  
in  
each  
object